

Thales, Mulwala (New South Wales) Australia

Industrial Wastewater

Needs

Thales Australia, a primary defense contractor, has awarded Degrémont a contract to furnish a 1,000 m³/d (0.26 MGD) membrane filtration system for its facility in Mulwala, New South Wales, Australia. Concerned with the protection of the environment, Thales Australia aims to reduce its discharge wastewater suspended solids level.



Solution

1,000 m³/day

THALES AUSTRALIA

Industrial wastewater:

- BOD: 15 mg/L,
- COD: 50 mg/L,
- TSS: 30 up to 100 mg/L.

Inline coagulation:

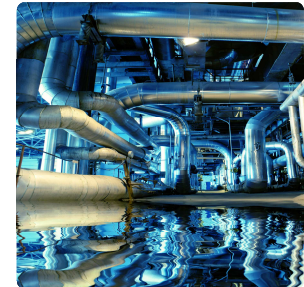
Removal of a large part of suspended solids & organic matters

Smartrack™ S1700:

- 12 Ultrafiltration PVDF modules,
- Out/In filtration mode
- Clarification and removal of suspended solids.

Pure water

- Turbidity < 0.3 NFU,
- SDI < 3.



SMARTRACK™ System

1 rack x 12 modules

Covered by five patents, SmartRack™ uses a novel rack system that allows complete interchangeability of ultrafiltration membrane modules, through an innovative proprietary design of Degrémont. This solution allows complete flexibility and scalability for future needs, and can be implemented for drinking water production, desalination, industrial process water, wastewater treatment and reuse.

SYSTEM FEATURES

- Skidded version : "Plug & play" concept,
- Very compact (for shipment and location),
- Easy accessibility,
- Entirely automatic (PLC controller Touch screen).

INTERCHANGEABLE MEMBRANES

4 brands available : Toray, Dow, Pall, GE



Partnership

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